bio-protocol Preprint

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ChR2-assisted circuit mapping

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An abbreviated version of this protocol was published in Science Advances in Jun 2022

Glucose-sensing glucagon-like peptide-1 receptor neurons in the dorsomedial hypothalamus regulate glucose metabolism

DOI: 10.1126/sciadv.abn5345

Detailed protocol

Hello,
First of all, thank you for your interest in our research paper.
Optical fiber was implanted into the DMV (AP: −3.6 mm from the lambda; ML: 0 mm from the midline; DV:−3.5 mm from dura) . The length of the optical fiber was 5.0 mm from the bottom of the ceramic ferrule.
Hope the above answers are helpful to you.

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How to cite:（Readers should cite both the Bio-protocol preprint and the original research article where this protocol was used）

1. Liu, J. (2022). ChR2-assisted circuit mapping. Bio-protocol Preprint. bio-protocol.org/prep1791.
2. Huang, Z., Liu, L., Zhang, J., Conde, K., Phansalkar, J., Li, Z., Yao, L., Xu, Z., Wang, W., Zhou, J., Bi, G., Wu, F., Seeley, R. J., Scott, M. M., Zhan, C., Pang, Z. P. and Liu, J.(2022). Glucose-sensing glucagon-like peptide-1 receptor neurons in the dorsomedial hypothalamus regulate glucose metabolism. Science Advances 8(23). DOI: 10.1126/sciadv.abn5345

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